

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/666212
Filing Date	September 18, 2003
First Named Inventor	Rosenflanz, Anatoly Z.
Art Unit	1755
Examiner Name	Elizabeth Bolden
Attorney Case Number	58807US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)				
11	A1	US-	3,637,361	01-25-1972	Kita et al.	
	A2	US-	3,928,515	12-23-1975	Richmond et al.	
	A3	US-	4,217,264	08-12-1980	Mabie, et al.	
	A4	US-	4,772,511	09-20-1988	Wood et al.	
	A5	US-	5,057,018	10-15-1991	Bowen	
	A6	US-	5,552,213	09-03-1996	Eschner	
	A7	US-	5,733,178	03-31-1998	Obishi	
	A8	US-	2001/0030811 A1	10-18-2001	Kasai et al.	
	A9	US-	6,306,926 B1	10-23-2001	Bretacher et al.	
	A10	US-	2003/0040423 A1	02-27-2003	Harada et al.	
A	A11	US-	2004/0148668 A1	08-05-2004	Anderson et al.	

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (if known)				
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

*Examiner:

Date Considered:

2/27/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 1 of 1	Application Number	10/666212
	Filing Date	September 18, 2003
	First Named Inventor	Rosenflanz, Anatoly
	Art Unit	1755
	Examiner Name	Elizabeth Bolden
	Attorney Case Number	58807US002

U.S. Patent Documents						
Exam. Init.*	Cite No	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Doc. Number (Kind Code if Known)				
M	A1	US- 5,534,843	07/09/1998	Tsunoda et al.		
W	A2	US- 5,976,274	11/02/1999	Inoue et al.		
W	A3	US- 6,362,119 B1	03/26/2002	Chiba		
	A4	US-				
	A5	US-				
	A6	US-				
	A7	US-				
	A8	US-				
	A9	US-				
	A10	US-				
	A11	US-				

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
	B1						
	B2						
	B3						

*Examiner: <i>W</i>	Date Considered: 2/27/06
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/666212
Filing Date	September 18, 2003
First Named Inventor	Rosenflanz, Anatoly Z.
Art Unit	1755
Examiner Name	Elizabeth Bolden
Attorney Case Number	58807US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
<i>1</i>	A1	US- 3,754,978	08/28/1973	Elmer et al.	
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind/Code (if known)				
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/PTO (modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/386212
Filing Date	September 18, 2003
First Named Inventor	Rosenblanz, Anatoly
Art Unit	1755
Examiner Name	Elizabeth Bolden
Attorney Case Number	58807US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
N	A1	US- 4,182,437	01/08/1980	Roberts et al.	
N	A2	US- 4,552,199	11/12/1985	Onoyama et al.	
N	A3	US- 4,705,656	11/10/1987	Onoyama et al.	
N	A4	US- 5,215,563	06/01/1993	LaCourse et al.	
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

Foreign Patent Documents						
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Ctry. Code	Number-KindCode (if known)			
	B1					
	B2					
	B3					

*Examiner: <i>[Signature]</i>	Date Considered: <i>2/27/06</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/666,124
Filing Date	September 18, 2003
First Named Inventor	Rosenflanz, Anatoly Z.
Art Unit	1755
Examiner Name	Elizabeth Bolden
Attorney Case Number	58807US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US-			
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Clty. Code	Number-Kind Code (if known)				
4	B1	EP	0 274 838	07/20/1988			
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

*Examiner:

Date Considered: 2/27/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/600614
Filing Date	September 18, 2003
First Named Inventor	Rosenflanz, Anatoly Z.
Art Unit	1755
Examiner Name	Elizabeth Bolden
Attorney Case Number	68807US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number (Kind Code if Known)				
1	A1	US- 3,714,059		01/30/1973	Shaw et al.	
2	A2	US- 3,717,583		02/20/1973	Shaw et al.	
	A3	US- 3,928,803		12/16/1975	Plesslinger et al.	
	A4	US- 4,218,253		08/19/1980	Dworak et al.	
	A5	US- 4,467,767		08/28/1984	Kampichler et al.	
	A6	US- 4,829,031		05/09/1989	Roy et al.	
	A7	US- 4,950,294		08/21/1990	Hakamatsuka	
	A8	US- 5,164,348		11/17/1992	Wood	
	A9	US- 5,213,591		05/25/1993	Celikkaya et al.	
	A10	US- 5,484,752		01/16/1996	Waku et al.	
	A11	US- 5,589,547		10/29/1998	Waku et al.	
	A12	US- 5,882,082		10/28/1997	Wei et al.	
3	A13	US- 6,447,937		09/10/2002	Murakawa et al.	

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
4	B1	JP	60025608	03/18/1975			X
5	B2	FR	2638370	06/28/1984			X

OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		

*Examiner:

Date Considered:

2/27/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/666212
Filing Date	September 18, 2003
First Named Inventor	Rosenflanz, Anatoly Z.
Art Unit	1755
Examiner Name	Elizabeth Bolden
Attorney Case Number	58807US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
<i>h</i>	A1	US- 4,111,707	09/05/1978	Komorita et al.	
<i>h</i>	A2	US- 4,789,501	12/06/1988	Day et al.	
<i>h</i>	A3	US- 5,747,397	05/05/1998	McPherson et al.	
<i>h</i>	A4	US- 6,251,813 B1	06/26/2001	Sato	
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
<i>h</i>	B1	JP	60221338	11/06/1985			Abstract
	B2						
	B3						

OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		

*Examiner:

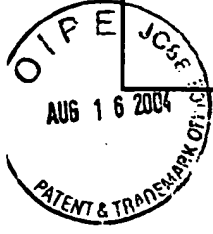
Elizabeth Bolden

Date Considered:

2/27/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)



Substitute for form 1449A/PTO (modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/666212
Filing Date	September 18, 2003
First Named Inventor	Rosenflanz, Anatoly
Art Unit	1755
Examiner Name	Elizabeth Bolden
Attorney Case Number	58807US002

PROPRIETARY INFORMATION DO NOT SCAN

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
<i>W</i>	C1	U.S. Application entitled "Ceramics, and Methods of Making and Using the Same", filed July 29, 2004 (Attorney Docket No. 59682US002)
<i>W</i>	C2	U.S. Application entitled "Method of Making Ceramic Articles", filed July 29, 2004 (Attorney Docket No. 59435US002)
	C3	

*Examiner: <i>W</i>	Date Considered: <i>2/27/06</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Information Disclosure Statement)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 2

Application Number	10/666212
Filing Date	September 18, 2003
First Named Inventor	Rosenflanz, Anatoly
Art Unit	1755
Examiner Name	Elizabeth Bolden
Attorney Case Number	58807US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
41	A1	US- 3,625,717	12/07/1971	Grubba et al.	
	A2	US- 4,316,964	02/23/1982	Lange	
	A3	US- 4,757,036	07/12/1988	Kaar et al.	
	A4	US- 5,248,318 A	09/28/1993	Tamamaki et al.	
	A5	US- 5,413,974 A	05/09/1995	Yokoyama et al.	
	A6	US- 5,449,389	09/12/1995	Yoshizumi et al.	
	A7	US- 5,516,348 A	05/14/1996	Conwell et al.	
	A8	US- 5,547,479 A	08/20/1996	Conwell et al.	
	A9	US- 5,645,619	07/08/1997	Erickson et al.	
	A10	US- 5,611,829 A	03/18/1997	Monroe et al.	
	A11	US- 5,721,188	02/24/1998	Sung et al.	
	A12	US- 5,856,254	01/05/1999	Feige et al.	
	A13	US- 6,053,956 A	04/25/2000	Wood	
	A14	US- 6,277,161 B1	08/21/2001	Castro et al.	
	A15	US- 6,287,353	09/11/2001	Celikkaya	
	A16	US- 6,749,653 B2	06/15/2004	Castro et al.	

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
16	B1	DE	141 420	04/30/1980			X
	B2	EP	0 227 374	07/01/1987			
	B3	EP	0 236 507	09/16/1987			
	B4	EP	0 666 238 B1	08/09/1995			
	B5	EP	0 666 239 B1	08/09/1995			
	B6	FR	2 118 026	07/28/1972			X
	B7	GB	793,503	04/16/1958			
	B8	GB	1,005,338	09/22/1965			
	B9	GB	2 116 992	10/05/1983			

*Examiner: *Wheeler*

Date Considered: 2/27/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 2 of 2	Application Number	10/666212
	Filing Date	September 18, 2003
	First Named Inventor	Rosenflanz, Anatoly
	Art Unit	1755
	Examiner Name	Elizabeth Bolden
	Attorney Case Number	58807US002

Foreign Patent Documents						
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Ctry. Code	Number-KindCode (if known)			
<i>[Signature]</i>	B10	GB	2 377 438 A	01/15/2003		
<i>[Signature]</i>	B11	JP	61099665	05/17/1986		Abstract
<i>[Signature]</i>	B12	JP	05-085821	04/06/1993		X
<i>[Signature]</i>	B13	JP	06-171974	06/21/1994		X
<i>[Signature]</i>	B14	JP	62-003041	01/09/1987		X
<i>[Signature]</i>	B15	JP	2003-94414	04/03/2003		X

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
<i>[Signature]</i>	C1	Aasland and McMillan, Nature 369, 633 (1994)	
<i>[Signature]</i>	C2	Aguilar et al, "Melt Extraction Processing of Structural Y ₂ O ₃ -Al ₂ O ₃ Fibers", J. Eur. Ceram. Soc. 20 1091-1098 (2000)	
	C3	Gandhi, A.S. and Jarayam, V., "Pressure Consolidation of Amorphous ZrO ₂ -Al ₂ O ₃ by Plastic Deformation of Powder Particles", Acta Materiala, 50 (2002), 2137-2149	
	C4	Gonzalez, Eduardo J., et al., "High Pressure Compaction and Sintering of Nano-Size γ-Al ₂ O ₃ Powder", Materials and Manufacturing Processes Vol. 11, No. 6, 951-967, 1996	
	C5	Jantzen, C.M., Krepski, R.P., & Herman, H., "Ultra-Rapid Quenching of Laser-Method Binary and Unary Oxides", Mat. Res. Bull. 15, 1313-1326 (1980)	
	C6	Khor K.A., "Novel ZrO ₂ -Mullite Composites Produced By Plasma Spraying", Proceedings of the 15 th International Thermal Pray Conference, 25-29 May 1998, Nice, France	
	C7	Ray, C.S. and Day, D.E., "Determining the Nucleation Rate Curve for Lithium Disilicate Glass by Differential Thermal Analysis", J. Am. Ceram. Soc. 73(2) 439-442 (1990)	
	C8	Schmucker, M, et al., "Constitution of Mullite Glasses Produced by Ultra-Rapid Quenching of Plasma-Sprayed Melts", Journal of the European Ceramic Society 15 (1995) 1201-1205	
	C9	Sarjeant, P.T. & Roy, R., in <i>Reactivity of Solids</i> (ed. J. W. Mitchell, R.C., DeVries, R.W., Roberts and P. Cannon) 725-33 (John Wiley & Sons, Inc., New York 1969)	
	C10	Takamori, T., & Roy, R., "Rapid Crystallization of SiO ₂ -Al ₂ O ₃ Glasses", Journal of American Society, Vol. 56, No. 12, December 1973.	
	C11	Weber et al., "Synthesis and Optical Properties of Rare-Earth-Aluminum Oxide Glasses", J. Am. Ceram. Soc. 85(5) 1309-1311 (2002)	
<i>[Signature]</i>	C12	Wilding, M.C., McMillan, P.F., "Polyamorphic Transitions in Ytria-Alumina Liquids", J. Non-Cryst. Solids. 293-295, 357-365 (2001)	

*Examiner: <i>[Signature]</i>	Date Considered: <i>2/27/06</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

(Use as many sheets as necessary)

Page 1 of 14

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
2	A1	US- 659,926	10/16/1900	Jacobs	
	A2	US- 906,339	12/08/1908	Tone	
	A3	US- 960,712	06/07/1910	Saunders	
	A4	US- 1,037,999	09/10/1912	Saunders	
	A5	US- 1,107,011	08/11/1914	Allen	
	A6	US- 1,149,064	08/03/1915	Kalmus	
	A7	US- 1,161,620	11/23/1915	Coulter	
	A8	US- 1,192,709	07/25/1916	Tone	
	A9	US- 1,240,490	09/18/1917	Saunders et al.	
	A10	US- 1,247,337	11/20/1917	Saunders et al.	
	A11	US- 1,257,356	02/26/1918	Hutchins	
	A12	US- 1,263,708	04/23/1918	Saunders et al.	
	A13	US- 1,263,709	04/23/1918	Saunders et al.	
	A14	US- 1,263,710	04/23/1918	Saunders et al.	
	A15	US- 1,268,532	06/04/1918	Allen	
	A16	US- 1,268,533	06/04/1918	Allen	
	A17	US- 1,314,061	08/26/1919	Harrison	
	A18	US- 1,339,344	05/04/1920	Hutchins	
	A19	US- 1,402,714	01/03/1922	Brockbank	
	A20	US- 1,448,586	03/13/1923	Allen	
	A21	US- 1,910,444	05/23/1933	Nicholson	
	A22	US- 2,000,857	05/07/1935	Masin	
	A23	US- 2,424,645	07/29/1947	Baumann, Jr. et al.	
	A24	US- 2,618,567	11/18/1952	Comstock, III	
	A25	US- 2,958,593	11/01/1960	Hoover et al.	
	A26	US- 2,961,296	11/22/1960	Fenerty	
2	A27	US- 3,041,156	06/26/1962	Rowse et al.	
2	A28	US- 3,141,747	07/21/1964	Marshall	

*Examiner:

Date Considered:

2/27/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 2 of 14

Application Number

10/666212

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

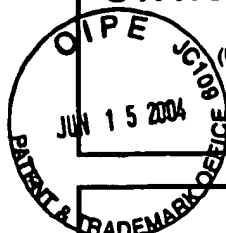
1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002



U.S. Patent Documents

Exam. Init. *	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
12	A29	US- 3,174,871	03/23/1965	Geffcken et al.	
	A30	US- 3,181,939	05/04/1965	Marshall et al.	
	A31	US- 3,216,794	11/09/1965	Roschuk	
	A32	US- 3,377,660	04/16/1968	Marshall et al.	
	A33	US- 3,498,769	03/03/1970	Coes, Jr.	
	A34	US- 3,635,739	01/18/1972	Macdowell et al.	
	A35	US- 3,646,713	03/07/1972	Marshall et al.	
	A36	US- 3,726,621	04/10/1973	Cichy	
	A37	US- 3,781,172	12/25/1973	Pett et al.	
	A38	US- 3,792,553	02/19/1974	Schleifer et al.	
	A39	US- 3,859,407	01/07/1975	Blanding et al.	
	A40	US- 3,881,282	05/06/1975	Watson	
	A41	US- 3,891,408	06/24/1975	Rowse et al.	
	A42	US- 3,893,826	07/08/1975	Quinan et al.	
	A43	US- 3,916,584	11/04/1975	Howard et al.	
	A44	US- 3,940,276	02/24/1976	Wilson	
	A45	US- 3,973,977	08/10/1976	Wilson	
	A46	US- 3,996,702	12/14/1976	Leahy	
	A47	US- 4,035,162	07/12/1977	Brothers et al.	
	A48	US- 4,049,397	09/20/1977	Bockstiegel et al.	
	A49	US- 4,059,417	11/22/1977	Ilmaier et al.	
	A50	US- 4,070,796	01/31/1978	Scott	
	A51	US- 4,073,096	02/14/1978	Ueltz et al.	
	A52	US- 4,111,668	09/05/1978	Walker et al.	
	A53	US- 4,126,429	11/21/1978	Watson	
	A54	US- 4,140,494	02/20/1979	Coes, Jr.	
	A55	US- 4,157,898	06/12/1979	Walker et al.	
	A56	US- 4,194,887	03/25/1980	Ueltz et al.	

*Examiner:

Date Considered:

2/27/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 3 of 14

Application Number

10/666212

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

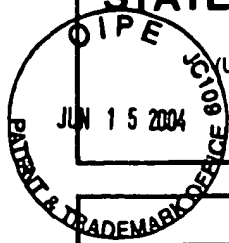
1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A57	US- 4,238,213	12/09/1980	Pallo et al.	
	A58	US- 4,261,706	04/14/1981	Blanding et al.	
	A59	US- 4,311,489	01/19/1982	Kressner	
	A60	US- 4,314,827	02/09/1982	Leitheiser et al.	
	A61	US- 4,341,533	07/27/1982	Daire et al.	
	A62	US- 4,405,545	09/20/1983	Septier et al.	
	A63	US- 4,415,510	11/15/1983	Richmond	
	A64	US- 4,439,845	03/27/1984	Geohegan Jr. et al.	
	A65	US- 4,457,767	07/03/1984	Poon et al.	
	A66	US- 4,489,022	12/18/1984	Robyn et al.	
	A67	US- 4,518,397	05/21/1985	Leitheiser et al.	
	A68	US- 4,543,107	09/24/1985	Rue	
	A69	US- 4,584,279	04/22/1986	Grabowski et al.	
	A70	US- 4,588,419	05/13/1986	Caul et al.	
	A71	US- 4,595,663	06/17/1986	Krohn et al.	
	A72	US- 4,623,364	11/18/1986	Cottringer et al.	
	A73	US- 4,652,275	03/24/1987	Bloecher et al.	
	A74	US- 4,734,104	03/29/1988	Broberg	
	A75	US- 4,737,163	04/12/1988	Larkey	
	A76	US- 4,741,743	05/03/1988	Narayanan et al.	
	A77	US- 4,744,802	05/17/1988	Schwabel	
	A78	US- 4,751,137	06/14/1988	Halg et al.	
	A79	US- 4,752,459	06/21/1988	Pepper	
	A80	US- 4,756,746	07/12/1988	Kemp, Jr. et al.	
	A81	US- 4,762,677	08/09/1988	Dolgin	
	A82	US- 4,770,671	09/13/1988	Monroe et al.	
	A83	US- 4,780,268	10/25/1988	Papsi et al.	
	A84	US- 4,799,939	01/24/1989	Bloecher et al.	

*Examiner:

Date Considered:

2/27/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 4 of 14

Application Number

10/666212

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

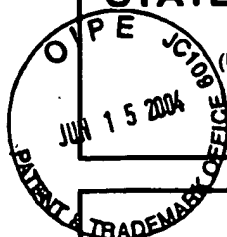
1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

**U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
<i>W</i>	A85	US- 4,800,685	01/31/1989	Haynes, Jr.	
	A86	US- 4,881,951	11/21/1989	Wood et al.	
	A87	US- 4,898,587	02/06/1990	Mera	
	A88	US- 4,898,597	02/06/1990	Hay et al.	
	A89	US- 4,960,441	10/02/1990	Pellow et al.	
	A90	US- 4,997,461	03/05/1991	Markhoff-Matheny et al.	
	A91	US- 5,007,943	04/16/1991	Kelly et al.	
	A92	US- 5,009,675	04/23/1991	Kunz et al.	
	A93	US- 5,009,676	04/23/1991	Rue et al.	
	A94	US- 5,011,508	04/30/1991	Wald et al.	
	A95	US- 5,013,696	05/07/1991	Greskovich et al.	
	A96	US- 5,023,212	06/11/1991	Dubots et al.	
	A97	US- 5,038,453	08/13/1991	Kurita et al.	
	A98	US- 5,042,991	08/27/1991	Kunz et al.	
	A99	US- 5,085,671	02/04/1992	Martin et al.	
	A100	US- 5,090,968	02/25/1992	Pellow	
	A101	US- 5,094,672	03/10/1992	Giles, Jr. et al.	
	A102	US- 5,110,332	05/05/1992	Isaksson	
	A103	US- 5,118,326	06/02/1992	Lee et al.	
	A104	US- 5,131,926	07/21/1992	Rostoker et al.	
	A105	US- 5,139,978	08/18/1992	Wood	
	A106	US- 5,143,522	09/01/1992	Gibson et al.	
	A107	US- 5,152,917	10/06/1992	Pieper et al.	
	A108	US- 5,185,299	02/09/1993	Wood et al.	
	A109	US- 5,194,072	03/16/1993	Rue et al.	
	A110	US- 5,201,916	04/13/1993	Berg et al.	
	A111	US- 5,203,884	04/20/1993	Buchanan et al.	
<i>W</i>	A112	US- 5,203,886	04/20/1993	Sheldon et al.	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 5 of 14

Application Number

10/666212

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
A113		US- 5,227,104	07/13/1993	Bauer	
A114		US- 5,259,147	11/09/1993	Falz et al.	
A115		US- 5,273,566	12/18/1993	Balcar et al.	
A116		US- 5,282,875	02/01/1994	Wood et al.	
A117		US- 5,312,789	05/17/1994	Wood	
A118		US- 5,336,280	08/09/1994	Dubots et al.	
A119		US- 5,352,254	10/04/1994	Celikkaya	
A120		US- 5,366,523	11/22/1994	Rowenhorst et al.	
A121		US- 5,372,620	12/13/1994	Rowse et al.	
A122		US- 5,376,470	12/27/1994	Sprouse	
A123		US- 5,378,251	01/03/1995	Culler et al.	
A124		US- 5,395,407	03/07/1995	Cottringer et al.	
A125		US- 5,395,407 B1	08/26/1997	Cottringer et al.	
A126		US- 5,417,726	05/23/1995	Stout et al.	
A127		US- 5,427,595	06/27/1995	Pihl et al.	
A128		US- 5,429,647	07/04/1995	Larmie	
A129		US- 5,431,704	07/11/1995	Tamamaki et al.	
A130		US- 5,436,063	07/25/1995	Follett et al.	
A131		US- 5,443,906	08/22/1995	Pihl et al.	
A132		US- 5,496,386	03/05/1996	Broberg et al.	
A133		US- 5,498,269	03/12/1996	Larmie	
A134		US- 5,520,711	05/28/1996	Helmin	
A135		US- 5,547,479	08/20/1996	Conwell et al.	
A136		US- 5,549,962	08/27/1996	Holmes et al.	
A137		US- 5,551,963	09/03/1996	Larmie	
A138		US- 5,593,467	01/14/1997	Monroe	
A139		US- 5,605,870	02/25/1997	Strom-Olsen et al.	
A140		US- 5,609,706	03/11/1997	Benedict et al.	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 6 of 14

Application Number

10/666212

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

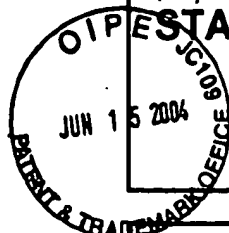
1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002



U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
<i>[initials]</i>	A141	US- 5,641,469	06/24/1997	Garg et al.	
<i>[initials]</i>	A142	US- 5,651,925	07/29/1997	Ashley et al.	
	A143	US- 5,653,775	08/05/1997	Plovnick et al.	
	A144	US- 5,665,127	09/09/1997	Moltgen et al.	
	A145	US- 5,679,067	10/21/1997	Johnson et al.	
	A146	US- 5,725,162	03/10/1998	Garg et al.	
	A147	US- 5,738,696	04/14/1998	Wu et al.	
	A148	US- 5,782,940	07/21/1998	Jayan et al.	
	A149	US- 5,847,865	12/08/1998	Gopinath et al.	
	A150	US- 5,863,308	01/26/1999	Qi et al.	
	A151	US- 5,876,470	03/02/1999	Abrahamson	
	A152	US- 5,902,763	05/11/1999	Waku et al.	
	A153	US- 5,903,951	05/18/1999	Ionta et al.	
	A154	US- 5,952,256	09/14/1999	Morishita et al.	
	A155	US- 5,954,844	09/21/1999	Law et al.	
	A156	US- 5,961,674	10/05/1999	Gagliardi et al.	
	A157	US- 5,975,988	11/02/1999	Christianson	
	A158	US- 5,981,413	11/09/1999	Hale	
	A159	US- 5,981,415	11/09/1999	Waku et al.	
	A160	US- 6,054,093	04/04/2000	Zheng	
	A161	US- 6,123,743	09/26/2000	Carman et al.	
	A162	US- 6,254,981	07/03/2001	Castle	
	A163	US- 6,451,077	09/17/2002	Rosenflanz	
	A164	US- 6,454,822	09/24/2002	Rosenflanz	
	A165	US- 6,458,731	10/01/2002	Rosenflanz	
	A166	US- 6,469,825	10/22/2002	Digonnet et al.	
<i>[initials]</i>	A167	US- 6,482,758	11/19/2002	Weber et al.	
<i>[initials]</i>	A168	US- 6,484,539 B1	11/26/2002	Nordine et al.	

*Examiner:

[Signature]

Date Considered:

2/27/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

(Use as many sheets as necessary)

Page 7 of 14



U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
1	A169	US- 6,490,081 B1	12/03/2002	Feillens et al.	
2	A170	US- 6,521,004	02/18/2003	Culler et al.	
	A171	US- 6,582,488	06/24/2003	Rosenflanz	
	A172	US- 6,583,080	06/24/2003	Rosenflanz	
	A173	US- 6,589,305	07/08/2003	Rosenflanz	
	A174	US- 6,592,640	07/15/2003	Rosenflanz et al.	
	A175	US- 6,596,041	07/22/2003	Rosenflanz	
	A176	US- 6,607,570	08/19/2003	Rosenflanz et al.	
	A177	US- 6,620,214	09/16/2003	McArdle et al.	
	A178	US- 6,666,750	12/23/2003	Rosenflanz	
	A179	US- 6,669,749	12/30/2003	Rosenflanz et al.	
	A180	US- 6,706,083	03/16/2004	Rosenflanz	
	A181	US- Re 31,128	01/18/1983	Walker et al.	
	A182	US- Re 31,725	11/06/1984	Walker et al.	
	A183	US- 02-0066233-A1	06/06/2002	McArdle et al.	
	A184	US- 02-0160694-A1	10/31/2002	Wood et al.	
	A185	US- 03-0110706-A1	06/19/2003	Rosenflanz	
	A186	US- 03-0110707-A1	06/19/2003	Rosenflanz et al.	
	A187	US- 03-0110708-A1	06/19/2003	Rosenflanz	
	A188	US- 03-0110709-A1	06/19/2003	Rosenflanz et al.	
	A189	US- 03-0115805-A1	06/25/2003	Rosenflanz et al.	
	A190	US- 03-0126802-A1	07/10/2003	Rosenflanz	
	A191	US- 03-0126803-A1	07/10/2003	Rosenflanz	
	A192	US- 03-0126804-A1	07/10/2003	Rosenflanz et al.	
	A193	US- 03-0145525-A1	08/07/2003	Rosenflanz	
	A194	US- 04-0020245-A1	02/05/2004	Rosenflanz et al.	
3	A195	US- 04-0023078-A1	02/05/2004	Rosenflanz et al.	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

(Use as many sheets as necessary)

Page 8 of 14

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
<input checked="" type="checkbox"/>	B1	AT	333146	10/11/1976			X
<input checked="" type="checkbox"/>	B2	DD	134 638 A	03/14/1979			X
<input checked="" type="checkbox"/>	B3	DE	20 34 011	07/09/1970			X
<input checked="" type="checkbox"/>	B4	EP	0 200 487	11/05/1986			
<input checked="" type="checkbox"/>	B5	EP	0 291 029 A1	11/17/1988			
<input checked="" type="checkbox"/>	B6	EP	0 291 029 B2	11/27/1996			
<input checked="" type="checkbox"/>	B7	EP	0 408 771 A1	01/23/1991			
<input checked="" type="checkbox"/>	B8	EP	0 469 271	02/05/1992			
<input checked="" type="checkbox"/>	B9	EP	0 480 678 A1	04/15/1992			
<input checked="" type="checkbox"/>	B10	EP	0 494 638	07/15/1992			
<input checked="" type="checkbox"/>	B11	EP	0 495 536 A2	07/22/1992			
<input checked="" type="checkbox"/>	B12	EP	0 579 281 A1	01/19/1994			
<input checked="" type="checkbox"/>	B13	EP	0 601 453 A2	06/15/1994			X
<input checked="" type="checkbox"/>	B14	EP	0 647 601 A1	04/12/1995			
<input checked="" type="checkbox"/>	B15	EP	0 709 347	05/01/1996			
<input checked="" type="checkbox"/>	B16	EP	0 722 919 A1	07/24/1996			
<input checked="" type="checkbox"/>	B17	FR	1547 989	10/21/1968			X
<input checked="" type="checkbox"/>	B18	FR	2 609 708	07/22/1988			X
<input checked="" type="checkbox"/>	B19	GB	1 121 875	07/31/1968			
<input checked="" type="checkbox"/>	B20	GB	1 260 933 A	01/19/1972			
<input checked="" type="checkbox"/>	B21	JP	200045128A	02/15/2000			X Machine
<input checked="" type="checkbox"/>	B22	JP	200045129A	02/15/2000			X Machine
<input checked="" type="checkbox"/>	B23	JP	06 040765A	2/15/1994			X Machine
<input checked="" type="checkbox"/>	B24	JP	59 22 7726A	12/21/1984			X Machine

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Use as many sheets as necessary)

Page 9 of 14

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
14	B25	JP	2001294480	10/23/2001			X Machine
	B26	Hei	11-189926	07/13/1999			X Machine
	B27	Hei	4-119941	04/21/1992			X
	B28	S	63-156024	06/29/1988			X
	B29	S	63-303821	12/28/1988			X
	B30	WO	94/14722	07/07/1994			
	B31	WO	97/16385	05/09/1997			
	B32	WO	97/25284	07/19/1997			
	B33	WO	00/34201	06/15/2000			X
	B34	WO	01/16047 A2	03/08/2001			
	B35	WO	01/23321 A1	04/05/2001			
	B36	WO	01/23323 A1	04/05/2001			
	B37	WO	01/27046 A1	04/19/2001			
	B38	WO	01/56946 A	08/09/2001			
	B39	WO	01/56947 A	08/09/2001			
	B40	WO	01/56949 A	08/09/2001			
	B41	WO	01/56950 A	08/09/2001			
	B42	WO	02/08146 A	01/31/2002			
	B43	SU	1455569	10/04/1996			X

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
11	C1	Aguilar, E.A., "Processing and crystallization of rapidly solidified Al_2O_3 - Y_2O_3 fibres", British Ceramic Transactions, 2000, Vol. 99, No. 6, pp. 256-259.
12	C2	Brewer, Luke N. et al., "Interface modification for increased fracture toughness in reaction-formed yttrium aluminum garnet/alumina eutectic composites," 1999, Vol. 14, No. 10, pp. 3907-3912.
13	C3	Brockway et al. "Rapid Solidification of Ceramics a Technology Assessment", Metals and Ceramics Information Center, MCIC Report, January 1984 MCIC 84-49

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 10 of 14

Application Number

10/666212

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
<i>12</i>	C4	Chen, Zan-Hwey et al., "Microstructures of laser-treated Al ₂ O ₃ -ZrO ₂ -CeO ₂ composites," <u>Materials Science & Engineering A (Structural Materials: Properties, Microstructure and Processing)</u> , 1995, Vol. A196, No. 1-2, pp. 253-260.
	C5	"China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals, August, 1997, 1 page.
	C6	"China's Rare Earth Export Quota Set at 45,000 Tons", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Asia Pulse, 1/9/01, 1 page.
	C7	"China's Rare Earth Industry In the Doldrums", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Asia Pulse, 1/28/99, 2 pages.
	C8	"China Rare Earth Information", China Rare Earth Information Center, Vol. 6, No. 4, August 2000, 3 pages.
	C9	Coutures et al., "PRODUCTION AND STUDIES OF ALUMINA BASED REFRACTORY GLASS," <u>Mat. Res. Bull.</u> , Vol. 10, No. 6, 1975, pp 539-546.
	C10	Dialog © file 319: Chem Bus NewsBase © 2001 Royal Soc Chemistry. Abstract for "China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals n 359, p. 10.
	C11	"ELEMENTS: China to Impose Quotas on Rare Earth Exports", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Chemical Business NewsBase, 2/4/99, 1 page.
	C12	Figs. 311, 346, 350, 354-56, 373, and 716, <u>Phase Diagrams For Ceramists</u> , The American Ceramic Society, 1964, pp. 122, 136, 138, 140, 144, 248.
	C13	Figs. 2340-44, 2363, 2370, 2374-75, 2382-83, 2385, 2387, 2390, and 2392, <u>Phase Diagrams For Ceramists, 1969 Supplement</u> , The American Ceramic Society, 1969, pp. 95-6, 100, 102-03, 105-08.
	C14	Figs. 4366-71, 4377-78, 4404-05, 4417, 4426, 4430, 4433, 4437, 4440, 4444, 4457, 4572, and 4602, <u>Phase Diagrams For Ceramists, 1975 Supplement</u> , The American Ceramic Society, 1975, pp. 130-32, 135-36, 147, 152, 157, 159-60, 163-64, 166, 172-73, 238, 257.
	C15	Figs. 5042, 5211, 5217, 5224, 5228, 5232, 5237, 5239, 5241, 5245, 5251, 5257, 5418, and 5437, <u>Phase Diagrams For Ceramists, Vol. IV</u> , The American Ceramic Society, 1981, pp. 29, 125, 127, 129-31, 133, 135-37, 139, 141, 143, 220, 228.
	C16	Fig. 6464, <u>Phase Diagrams For Ceramists, Vol. VI</u> , The American Ceramic Society, 1981, p. 162.
	C17	Figs. 9262, and 9264, <u>Phase Diagrams For Ceramists, Vol. XI, Oxides</u> , The American Ceramic Society, 1995, pp. 105-06.
	C18	Harris et al., "DURABLE 3—5 μ m TRANSMITTING INFRARED WINDOW MATERIALS," <u>Infrared Physics & Technology</u> 39, 1998, pp. 185-201
<i>12</i>	C19	Hedrick, J., "Rare-Earth Metals", pp. 61.1-61.6, 1997.
<i>12</i>	C20	Hedrick, J., "Rare-Earth Metal Prices in the USA ca. 1960 to 1994", <u>J. Alloys and Compounds</u> , 1997, pp. 471-81.

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

Use as many sheets as necessary)

Page 11 of 14



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam. Init.	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
2	C21	Hrovat et al., "Preliminary data on subsolidus phase equilibria in the $\text{La}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-Mn}_2\text{O}_3$ and $\text{La}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-Fe}_2\text{O}_3$ systems", <u>Journal of Materials Science Letters</u> , Vol. 14, 1995, pp. 265-267.
	C22	Imakoa, Minoru et al., "Refractive Index and Abbe's Number of Glass of Lanthanum Borate System", <u>Journal Ceramic Assoc. Japan</u> , Vol. 70, No. 5, (1962), pp. 115
	C23	"In Asia", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; <u>Engineering & Mining Journal</u> , 2/28/00, 4 pages.
	C24	Isobe, T. et al., "Microstructure and Thermal Stability of $\text{Al}_2\text{O}_3/\text{Y}_3\text{Al}_5\text{O}_{12}$ (YAG) Eutectic Composite Prepared by an Arc Discharge Method", <u>J. Ceram. Soc. Jap.</u> , 109, [1], 2001, pp. 66-70, Abstract in English.
	C25	Kingery, W.D., <u>INTRODUCTION TO CERAMICS</u> , Second Edition, Chpt. III subchapter 8.8, <u>Glass-Ceramic Materials</u> , pp. 368-374, (1976).
	C26	Kokubo, Tadashi et al., "Infrared Transmission of $(\text{R}_2\text{O}$ or $\text{R}'\text{O})\text{-(TiO}_2, \text{Nb}_2\text{O}_5 \text{ or } \text{Ta}_2\text{O}_5)\text{-Al}_2\text{O}_3$ Glasses", <u>Journal of Non-Crystalline Solids</u> 22 (1970) 125-134
	C27	Kondrashov V I et al., "Opacified Glass "Decorit" Synthesis Directions", <u>Steklo I Keramika</u> 2001, No. 1, pages 8-11. Title translated by Keramika as "Aspects of Synthesis of Decorite Opacified Glass".
	C28	Krell, Andreas et al., "Advances in the Grinding Efficiency of Sintered Alumina Abrasives," <u>Journal of the American Ceramic Society</u> , 1996, Vol. 79, No. 3, pp. 763-769
	C29	Krokhin et al., "Synthesis of Y-Al Garnet", <u>Glass and Ceramics</u> , Vol. 55, Nos. 5-6, 1998, pp. 151-152.
	C30	Lakiza et al., "The Liquidus Surface In The $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-Y}_2\text{O}_3$ Phase Diagram", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 33, No. 11-12, 1994, pp. 595-597.
	C31	Lakiza et al., "Methods Of Investigation Of Properties Of Powder Materials, Interactions In The $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-Y}_2\text{O}_3$ System", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 33, Nos. 9-10, 1994, pp. 486-490.
	C32	Lakiza et al., "Powder-Material Research Methods And Properties Polythermal Sections Of The $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-Y}_2\text{O}_3$ Phase Diagram", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 34, No. 11-12, 1995, pp. 655-659.
	C33	Lakiza et al., "Solidus Surface And Phase Equilibria During The Solidification Of Alloys In The $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-Y}_2\text{O}_3$ System", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 34, Nos. 1-2, 1995, pp. 64-67
	C34	Lakiz and Lopato, "Metastable Phase Relationships In The System $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-Y}_2\text{O}_3$ ", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 35, Nos. 11-12, 1996, pp. 621-626.
	C35	Mah, Tai-I1 et al., "Processing, Microstructure, and Strength of Alumina-YAG Eutectic Polycrystals", <u>J. Am. Ceram. Soc.</u> , 83, [8], 2000, pp. 2088-90.
	C36	McKittrick, Joanna, et al., "Non-stoichiometry and defect structures in rapidly solidified $\text{MgO-Al}_2\text{O}_3\text{-ZrO}_2$ ternary eutectics," <u>Materials Science and Engineering A231</u> (1997) 90-97.
	C37	McMillan, P.W., <u>Glass-Ceramics</u> , Academic Press, Inc., 2 nd Edition (1979)

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

Use as many sheets as necessary)

Page 12 of 14

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
11	C38	"Phase Identification of $Al_2O_3/RE_3Al_5O_{12}$ and $Al_2O_3/REA10_3$ (RE = Sm-Lu, Y) Eutectics", J. Crystal Growth, 218, 2000, pp. 67-73.
	C39	"Prices: Minerals", Asian Ceramics & Glass, Jan. 2001, 2 pages.
	C40	"Rare Earths: An Industry Review and Market Outlook – Part 1", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Chemical Business NewsBase, 12/8/00, 2 pages.
	C41	"Rare Earth – Market Confusion Inevitable Due to China's Unstable Supply", Japan Chemical Week, Vol. 41, No. 2080, July 6, 2000, pp. 6-7.
	C42	"Rare Earth Prices and Market Outlook", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Chemical Business NewsBase, 5/27/99, 2 pages.
	C43	Rodriquez, Louise, "Rare Earths Prices Recover Despite China's Overcapacity", America Metal Market, Vol. 109, No. 14, Jan. 22, 2001, p. 13.
	C44	Shishido et al., " $Gd_3Al_5O_{12}$ Phase Obtained by Crystallization of Amorphous $Gd_2O_3 \cdot \frac{5}{3} Al_2O_3$ ", Journal of the American Ceramic Society, Vol. 61, No. 7-8, Jul.-Aug. 1978, pp. 373-74.
	C45	Stankus, S. V. et al., "Crystallization and Thermal Properties of Al_2O_3 - Y_2O_3 Melts", J. Crystal Growth, 167, 1996, pp. 165-70.
	C46	Stookey, S. D., "Ceramics Made by Nucleation of Glass-Comparison of Microstructure and Properties with Sintered Ceramics, The American Ceramic Society, (1992), pp. 1-4
	C47	Suzuki et al., "RAPID QUENCHING ON THE BINARY SYSTEMS OF HIGH TEMPERATURE OXIDES, "Mat. Res. Bull.", Vol 9, 1974, pp. 745-54.
	C48	Toropov et al., "Phase Equilibria in the Yttrium Oxide-Alumina System", Bulletin of the Academy of Sciences, USSR, Division of Chemical Science, No. 7, July, 1964, pp. 1076-1081, A translation of <u>Seriya Khimicheskaya</u> .
	C49	"Traders' View on Chemical Business (Part 2): Rare Earth: Market Confusion Inevitable Due to China's Unstable Supply", Dow Jones Interactive Internet Printout on 6/20/01 for web address "http://ptg.djnr.com/ccroot/asp/publib/story.asp"; Chemical Business NewsBase, 8/10/00, 2 pages.
	C50	Varshneya, Arun K., "Fundamentals of Inorganic Glasses", pp. 425-427 (1994).
	C51	van den Hoven et al., "NET OPTICAL GAIN AT 1.53 μm in Er-DOPED Al_2O_3 WAVEGUIDES ON SILICON," Appl. Phys. Lett. 68 (14), April 1, 1966, pp. 1886-88.
	C52	Volkova, I. Yu et al., Abstract for "Kinetics of Nonisothermal Sintering of Some Eutectic Oxide Compositions," 1986 (abstract from Database Chemabs 'Online! Chemical Abstracts Service, Columbus, Ohio, US).
	C53	Waku et al., "A ductile ceramic eutectic composite with high strength at 1,873 K", Nature, Vol. 389, September 1997, pp. 49-52.

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 13 of 14

Application Number

10/666212

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C54	Waku, Yoshiharu, "A New Ceramic Eutectic Composite with High Strength at 1873 K", <u>Advanced Materials</u> , Vol. 10, No. 8, 1998, pp. 615-617.
	C55	Waku et al., "High-temperature strength and thermal stability of a unidirectionally solidified Al ₂ O ₃ /YAG eutectic composite", pp. 1217-1225
	C56	Waku et al., "Sapphire matrix composites reinforced with single crystal VAG phases", <u>Journal of Materials Science</u> , Vol. 31, 1996, pp. 4663-4670.
	C57	Waku, Yoshiharu, et al., "A jelly-like ceramic fiber at 1193 K", <u>Mat Res Innovat</u> , 2000, Vol. 3, pp. 185-189
	C58	Wang, S. et al., "Divorced Eutectic and Interface Characteristics in a Solidified YAG-Spinel Composite With Spinel-Rich Composition", <u>J. Mat. Sci.</u> , 35, 2000, pp. 2757-61.
	C59	Wang, Shuqiang et al., "Eutectic Precipitation of the Spinel Solid Solution-Yttrium Aluminum Garnet (YAG) System," <u>Journal of the American Ceramic Society</u> , 1998, Vol. 81, No. 1, pp. 263-265.
	C60	Weber et al., DEVICE MATERIALS BASED ON Er-, Ho-, Tm-, and Yb-DOPED RARE EARTH ALUMINUM OXIDE (REA1™) GLASS," reference obtained in 2003, and believed to be based on a talk presented January 28, 2003 (See website http://www.spie.org/Conferences/Programs/03/pw/opto/index.cfm?fuseaction=4999 , pp. 1 and 2 of 5).
	C61	Weber et al., "RARE EARTH OXIDE-ALUMINUM OXIDE GLASSES FOR MID-RANGE IR DEVICES," reference obtained in 2003, and believed to be based on a talk presented January 25, 2003 (See website http://www.spie.org/Conferences/Programs/03/pw/bios/index.cfm?fuseaction=4957 , pp. 1 and 4 of 6).
	C62	Weber, J.K. Richard et al., "Glass fibres of pure and erbium- or neodymium-doped yttria-alumina compositions", <u>Nature</u> , June 25, 1998, Vol. 393, pp. 769-771
	C63	Weber, J.K. Richard et al., "Glass Formation and Polyamorphism in Rare-Earth Oxide-Aluminum Oxide Compositions", <u>J. American Ceramic Society</u> , 83 [8], 2000, 1868-1872
	C64	Yajima et al., GLASS FORMATION IN THE Ln-Al-O SYSTEM, (Ln: LANTHANOID AND YTTRIUM ELEMENTS), <u>Chemistry Letters</u> , 1973, pp. 1327-1330.
	C65	Yajima et al., "UNUSUAL GLASS FORMATION IN THE Al-Nd-O SYSTEM," <u>Chemistry Letters</u> (published by the Chemical Society of Japan), 1973, pp. 741-742
	C66	Yan et al., "ERBIUM-DOPED PHOSPHATE GLASS WAVEGUIDE ON SILICON WITH 4.1 dB/cm GAIN AT 1.535 μm," <u>Appl. Phys. Lett.</u> , 71 (20), November 17, 1997.
	C67	Yang and Zhu, "Thermo-Mechanical Stability Of Directionally Solidified Al ₂ O ₃ -ZrO ₂ (Y ₂ O ₃) Eutectic Fibers", <u>Scripta Materialia</u> , Vol. 36, No. 8, 1997, pp. 961-965.
	C68	Yau, W., "Increase in Value of Rare Earth Products Boosts Yixing Xinwei", <u>South China Morning Post</u> , April 12, 2000, 2 pages.

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Elizabeth Bolden

Attorney Case Number

58807US002

Use as many sheets as necessary)

Page 14 of 14



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam. Init.	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
<i>[Signature]</i>	C69	U.S. Patent Application entitled "Fused Al_2O_3 - Y_2O_3 - ZrO_2 Eutectic Abrasive Particles, Abrasive Articles, And Methods Of Making And Using The Same", filed July 19, 2000, Rosenflanz having U.S. Serial No. 09/618,876 (Attorney Docket No. 55763US002).
	C70	U.S. Patent Application entitled, "Method of Making Ceramic Articles", filed August 2, 2002, Rosenflanz having U.S. Serial No. 10/211,481 (Attorney Docket No. 56938US004).
	C71	U.S. Patent Application entitled "Methods of Making Ceramic Particles," filed February 5, 2003, Rosenflanz, having a U.S. Serial No. 10/358772 (Attorney Docket No. 58257US002)
	C72	U.S. Patent Application entitled "Methods of Making Ceramics", filed February 5, 2003, Anderson et al., having a U.S. Serial No. 10/358765 (Attorney Docket No. 58258US002)
	C73	U.S. Patent Application entitled "Ceramics and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358910 (Attorney Docket No. 58325US002)
	C74	U.S. Patent Application entitled " Al_2O_3 - La_2O_3 - Y_2O_3 - MgO Ceramics, and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358855 (Attorney Docket No. 58352US002)
	C75	U.S. Application entitled "Use of Ceramics In Dental And Orthodontic Applications", filed February 5, 2003, having U.S. Serial No. 10/358,856 (Attorney Docket No. 58350US002)
	C76	U.S. Patent Application entitled "Methods of Making Al_2O_3 - SiO_2 Ceramics", filed February 5, 2003, Celikkaya et al. having a U.S. Serial No. 10/358,708 (Attorney Docket No. 58353US002)
	C77	U.S. Application entitled "Use of Glasses Containing Rare Earth Oxide, Alumina, and Zirconia And Dopant In Optical Waveguides", filed April 28, 2003, having U.S. Serial No. 10/425,039 (Attorney Docket No. 58435US002)
	C78	U.S. Application entitled " Methods of Making Ceramic Particles", filed September 5, 2003, having U.S. Serial No. 10/655729 (Attorney Docket No. 58790US002)
	C79	U.S. Application entitled "Methods of Making Ceramics Comprising Al_2O_3 , REO, ZrO_2 and/or HfO_2 and Nb_2O_5 and/or Ta_2O_5 ", filed September 18, 2003, having U.S. Serial No. 10/666615 (Attorney Docket No. 58354US002)
<i>[Signature]</i>	C80	U.S. Application entitled "Ceramics Comprising Al_2O_3 , Y_2O_3 , ZrO_2 and/or HfO_2 , and Nb_2O_5 and/or Ta_2O_5 , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666,098 (Attorney Docket No. 58961US002)
<i>[Signature]</i>	C81	U.S. Application entitled "Agglomerate Abrasive Grain and a Method of Making the Same", filed February 11, 2004, having U.S. Serial No. 10/776156 (Attorney Docket No. 55304US016)

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Use as many sheets as necessary)

FEB 09 2006

Page 1 of 1

Application Number

10/666212

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Karl E. Group

Attorney Case Number

58807US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
/	A1	US- 6,128,430	10-03-2000	Chu et al.	
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
/	B1	JP	3-113428	05-14-1991			Abstract
/	B2	JP	5-226733	09-03-1993			Abstract
	B3						
	B4						
	B5						
	B6						

OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
/	C1	Search Report for International Application No. PCT/US04/026605.	
	C2		
	C3		

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)